

CLAIMS

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A voice web browser system comprising:
a telephone;

5 an access system coupled to a TCP/IP network, said TCP/IP network comprising a plurality of nodes, said TCP/IP network providing access to web pages stored on computer systems coupled to said TCP/IP network, said web pages comprising HTML code that can be transmitted via TCP/IP packets to said access system over said TCP/IP network, said access system being able to receive said 10 TCP/IP packets and to parse said HTML code into text and non-text portions;

 a telephone system coupling said telephone to said access system for interactive communication with said access system; and

 a text-to-speech system associated with said access system for reading at least some of said text to a user of said telephone.

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2. A voice web browser system as recited in claim 1 wherein said telephone is a touch-tone telephone, and wherein said access system can be provided with commands in the form of DTMF signals.

20 3. A voice web browser system as recited in claim 1 further comprising a speech recognition system responsive to spoken commands from said telephone user and operative to provide operational commands to said access system.

25 4. A voice web browser system as recited in claim 1 wherein said access system consists of a unitary computer system.

5. A voice web browser system as recited in claim 1 wherein said access system comprises an interface computer system coupled to said telephone

user by said telephone system, and a server system coupling said interface computer system to said TCP/IP network.

6. A voice web browser as recited in claim 1 wherein said access system is responsive to commands from said telephone user for navigating both within a web page and between web pages of said TCP/IP network.

Prob Prob 7. A computer implemented process for obtaining web page information over a TCP/IP network comprising:

10 implementing a connection of a telephone user to an access system that is coupled to a TCP/IP network;

detecting a selection of at least one navigation command by said telephone user to access a web page accessible over said TCP/IP network; and

15 navigating over said TCP/IP network to said web page in response to said navigation command, resulting in a verbal communication of at least some information derivable from said web page to said telephone user.

8. A computer implemented process as recited in claim 7 further comprising making an initial verbal contact with said telephone user after 20 implementing a connection.

9. A computer implemented process as recited in claim 8 wherein said initial verbal contact includes providing a plurality of options to the telephone user.

25 10. A computer implemented process as recited in claim 9 wherein said plurality of options includes navigating the TCP/IP network and the sending or receiving of e-mail.

11. A computer implemented process as recited in claim 10 wherein said plurality of options further includes creating a web page on said TCP/IP network.

12. A computer readable media encoded with the computer implemented
5 process of claim 7.

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part* 13. A voice web browser comprising:

connection means for implementing a connection of a telephone user to an access system that is coupled to a TCP/IP network;

10 means for detecting a selection of at least one navigation command by said telephone user to access a web page accessible over said TCP/IP network; and

means for navigating over said TCP/IP network to said web page in response to said navigation command, resulting in a verbal communication of at least some information derivable from said web page to said telephone user.

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14. A voice web browser as recited in claim 13 further comprising means for making an initial verbal contact with said telephone user after implementing a connection.

20 15. A voice web browser as recited in claim 13 wherein said means for making an initial verbal contact includes means for providing a plurality of options to the telephone user.

25 16. A voice web browser as recited in claim 12 further comprising means for creating a web page accessible via said TCP/IP network.

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part* 17. A method for retrieving e-mail that was sent over a TCP/IP network comprising:

calling from a user telephone to an access computer coupled to a TCP/IP network;

providing user identification to said access computer;
retrieving e-mail via said access computer that was sent over said TCP/IP
5 network and addressed to said user; and

reading said e-mail to said user of said user telephone utilizing a text-to-speech system.

18. A method for retrieving e-mail as recited in claim 17 further comprising providing at least one command to said access computer via a DTMF signal developed by said user telephone.

19. A computer readable media encoded with software instructions and data to implement the method of claim 17.

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20. A system for retrieving e-mail that was sent over a TCP/IP network comprising:

an access computer means coupled to a TCP/IP network, said access computer means being accessible by a user via a user telephone;

means for providing user identification to said access computer means;

means for retrieving e-mail via said access computer means that was sent over said TCP/IP network and addressed to said user; and

means for reading said e-mail to said user of said user telephone.

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